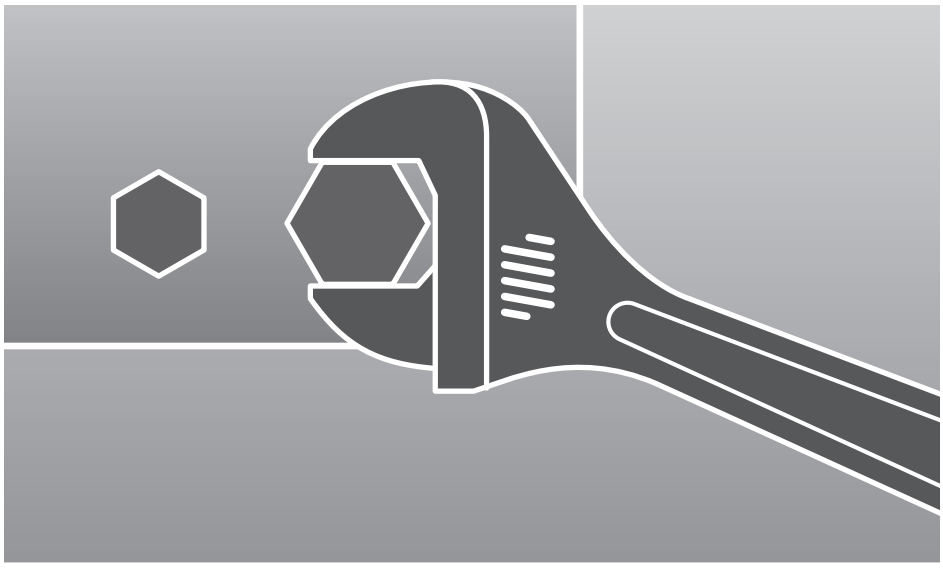
INSTALLATION MANUAL

Wall Mounted Type Series

Neo Forte : AVXWN✳✳

NH✳✳✳NH✳✳✳

Air Conditioner



Ⓔ DB98-31755A(2)

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Safety Precautions

- *Keep this installation manual together with the user's manual in a handy place so that you can find it whenever you need to see it after reading this manual thoroughly.*
- *Make sure you read this 'Safety Precautions' carefully before installing the product.*
- *Safety Precautions states information that is important to your safety matters. Please follow the instructions carefully.*

⚠ ***WARNING*** • Hazards or unsafe practices that may result in **severe personal injury or death.**

⚠ ***CAUTION*** • Hazards or unsafe practices that may result in **minor personal injury or property damage.**

- ***You must install the product by qualified installer. If you install the product on your own or by unqualified person, Samsung is not responsible for any damages which may occur due to incorrect installation.***
- ***Make sure to read the following safety precautions carefully before installation.***
- ***Make sure to observe the cautions specified in this manual.***
- ***Conduct a test run of the unit after installation and then explain all system functions to the owner.***
- ***The indications and meanings are as shown below.***

❖ ***Follow IEC (International Electrotechnical Commission) standards for the power input and ISO (International Standards Organization) standards for input current.***

⚠ *WARNING* • Hazards or unsafe practices that may result in **severe personal injury or death.**

- Installation must be carried out by a qualified installer. Do not attempt to repair, move, modify or reinstall the unit on your own since such act may cause fire, electric shock or water leakage.
- Install the unit in a place where it is strong enough to hold the product weight. When installed in place where it is not strong enough to withhold the product weight, the unit could fall and cause injury.
- The unit should be installed in accordance with the National Electrical regulations. Check if the voltage and the frequency of the main power supply are those required for the unit to be installed and check the connection. Avoid the use of an extension cord and do not share the power outlet with other appliances. Incomplete connection, defective insulation or exceeding the permissible current may cause electric shock or fire.
- Use the specified wires to connect the indoor and outdoor units securely and attach the wires firmly to the terminal block connecting sections so that the pressure is not applied to the sections. Inappropriate connection and fixing could cause fire.
- Attach the electrical cover to the indoor and outdoor unit securely without any gaps. If there are any gaps, there is potential risk of fire or electric shock due to dust or water.
- Make sure to use the part provided or specified parts for the installation work. The use of defective parts could cause an injury or leakage of water due to a fire, an electric shock, the unit falling, etc.
- Make sure that the refrigerant gas does not leak after completing the installation. If the refrigerant gas of the indoor unit leaks and comes into contact with the fan heater, space heater or stove, harmful gas will be generated.
- Ensure that the national safety code requirements have been followed for the main supply circuit. Ensure that a proper ground wire is in place. Do not connect the ground to a gas pipe, water pipe, lightning rod or telephone grounding. Defective grounding could cause electric shock.
- Do not install the unit in a place with direct sunlight, dangerous substances or where it is exposed to inflammable gas leakage to prevent explosion, fire or personal injury.
- Perform the installation securely referring to the installation manual. Incomplete installation could cause personal injury due to fire, electric shock and water leakage or from the unit falling.
- Before connecting the power plug and power receptacle check for dust, loose or blocked. Make sure that plug is fully inserted. Dusted power plug, blocked or loosened power receptacle may cause fire or electric shock. Exchange the power receptacle if it is loose.
- Check first the following situations before starting the operation during the installation.
  - The pipe must be properly connected and make sure there is no leakage.
  - Service valves must be open. If compressor is operated with the service valve closed, excessive pressure may damage parts of the compressor. If leakage occurs on any of the connection, air inflow may also cause excessive pressure that could lead to explosion.

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Safety Precautions (Continued)

WARNING

• Hazards or unsafe practices that may result in **severe personal injury or death.**

- Stop the compressor before disconnecting the refrigerant pipe for pump-down operation. If you disconnect the refrigerant pipe while compressor is operating with service valve open, air inflow will cause excessive pressure in the refrigerant cycle that could lead to explosion and personal injury.
- Do not assemble the power cord on your own, use two cables together to extend the cable length or tangle the cable. Bad connection, isolation and over voltage may cause fire or electric shock.
- Make sure to turn off the main power when setting up the indoor unit electrical circuit or power cords. There is a risk of electric shock.
- Make sure that proper circuit breaker and safety switches are installed. Install a ground leakage breaker depending on the installation place(where it is humid). If not, it may cause electric shock.
- Do not install the unit by yourself (owners). Incorrect installation of the unit could cause injury due to fire, electric shock and water leakage or from the unit falling. Consult a dealer or a qualified installer.
- Use the unit on a single outlet circuit. Do not share the power outlet with other appliances. Obtain the consent by a qualified installer before connecting the unit to the power supply system.

CAUTION

• Hazards or unsafe practices that may result in **minor personal injury or property damage.**

- Perform the drainage/piping work securely according to the installation manual. If not, water could drop from the unit and household goods could get wet and damaged.
- Fasten a flare nut with a torque wrench as specified in this installation manual. When fastened too tight, a flare nut may break after a long period of time and cause refrigerant leakage.
- Wear thick gloves during the installation process. If not, personal injury may occur due to the air conditioner parts.
- Be careful not to touch the outdoor unit inlet or aluminium pins. You may get personal injury.
- The air conditioner should be used only for the applications for which it has been designed: the indoor unit is not suitable to be installed in areas used for laundry.
- When installing the indoor unit, use a stable stool and watch your steps carefully.
- To prevent injury when accidentally touching the indoor unit fan, install the indoor unit at least 2.5m above the floor level.
- Our units must be installed in compliance with the spaces indicated in the installation manual to ensure either accessibility from both sides or ability to perform routine maintenance and repairs. The units' components must be accessible and that can be disassembled in conditions of complete safety either for people or things.

  For this reason, where it is not observed as indicated into the Installation Manual, the cost necessary to reach and repair the unit (in safety, as required by current regulations in force) with slings, trucks, scaffolding or any other means of elevation won't be considered in-warranty and charged to end user.
- Do not install the outdoor unit in a place where animals could live. If an animal get contact with the electric parts, damage or fire may occur. In addition ask the customer to maintain a clean installation place around it.
- Check the unit for damage that may have taken place during transportation and do not install or use damaged equipment.
- After completing the installation run the trial operation. If no error occurs, explain to the customer how to use and clean the air conditioner according to the user's manual. In addition give the installation manual and the user's manual to the customer.
- All of the manufacturing and packaging material used for your new appliance are compatible with the environment and can be recycled.
- Dispose of the packaging material in accordance with the local requirements.
- This product is an air conditioning system and contains a coolant that must be recovered and disposed of in an appropriate way by qualified personnel. At the end of the life cycle, take it to a proper recycling or disposal center or return it to the dealer so that it can be disposed correctly.

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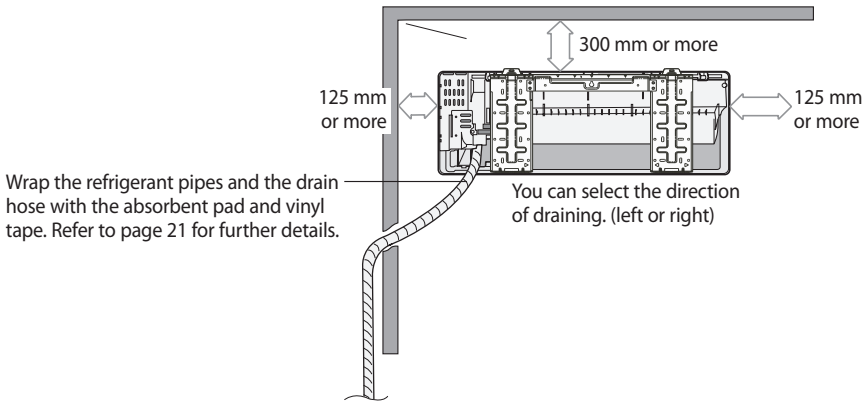
Choosing the Installation Location

- Where airflow is not blocked
- Where cool air can be distributed throughout the room
- Install the refrigerant piping length and the height difference of both indoor and outdoor units as indicated in the installation diagram
- Wall that prevents vibration and is strong enough to hold the product weight
- Out of the direct sunlight
- 1m or more away from the TV or radio (to prevent the screen from being distorted or noise from being generated)
- As far away as possible from fluorescent and incandescent lights (so that the remote control can be operated well)
- A place where the air filter can be replaced easily

CAUTION

- ***Avoid the following places to prevent malfunction of the unit***
  - ***Where there is machine oil***
  - ***Where sulfide gas exists***
  - ***Salty environment such as the seaside areas***
  - ***Other special atmosphere areas***

Observe the clearances and maximum lengths as seen in the picture below when installing the air conditioner.


300 mm or more
125 mm or more
125 mm or more
Wrap the refrigerant pipes and the drain hose with the absorbent pad and vinyl tape. Refer to page 21 for further details.
You can select the direction of draining. (left or right)

❊ The appearance of the unit may be different from the diagram depending on the model.

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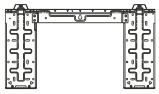
Accessories

The following accessories are supplied with the air conditioner:

➢ ***The number of each accessory is indicated in parentheses.***

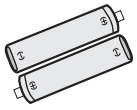
Accessories in the Indoor Unit Case

Installation Plate



Remote Control

Batteries for Remote Control



User's Manual

Installation Manual

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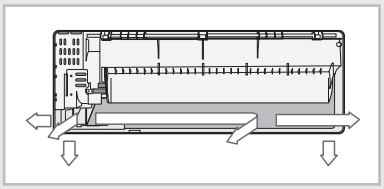
Fixing the Installation Plate

Before fixing the installation plate to the wall or window frame, you must determine the position of the 65mm hole through which the cable, pipe and hose pass to connect the indoor unit to the outdoor unit.

When facing the wall, the pipe and cable can be connected from the:

- ***Right***
- ***Left***
- ***Underside (right)***
- ***Rear (right or left)***



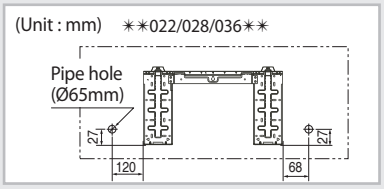
1 Determine the position of the pipe and drain hose hole as seen in the picture and drill the hole with an inner diameter of 65mm so that it slants slightly downwards.

2

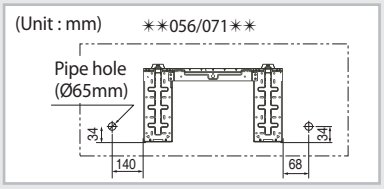
If you fix the indoor unit to a...	*Follow step(s)...*
Wall	3.
Window frame	4 to 6.

3 Fix the installation plate to the wall giving attention to the weight of the indoor unit.

➢ If you mount the plate to a concrete wall with anchor bolts, the anchor bolts must not project more than 20mm.



4 Determine the positions of the wooden uprights to be attached to the window frame.



5 Attach the wooden uprights to the window frame giving attention to the weight of the indoor unit.

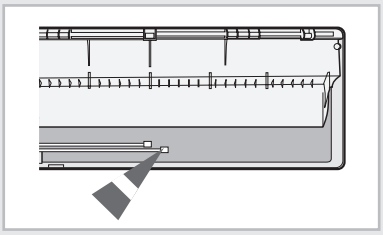
6 Attach the installation plate to the wooden uprights using tapping screws as seen in the picture.

Purging the Indoor Unit

Upon delivery, there may be inert gas inside the indoor unit. Purge the gas from the indoor unit before connecting the assembly pipe.

Unscrew the caps at the end of each pipe.

Result: All inert gas exhausts from the indoor unit.



➢ ***To prevent dirt or foreign substances from getting into the pipes during installation, do NOT remove the caps completely until you are ready to connect the pipes.***

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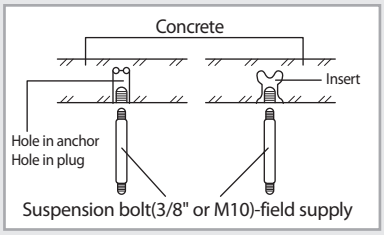
EEV Kit Installation



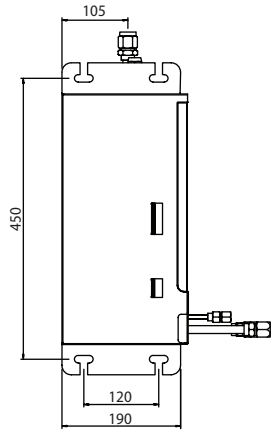
Preparing for Installation

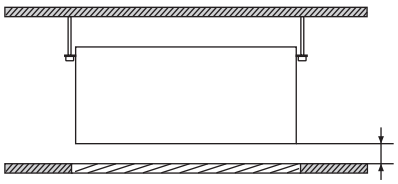
1 Check dimension and installation location.

2 Check installation place.

◆ By using a pattern sheet, check required installation space.

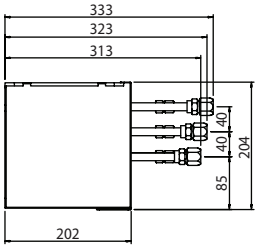
Unit : mm

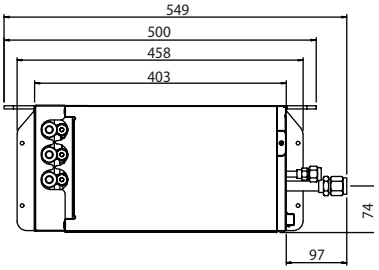


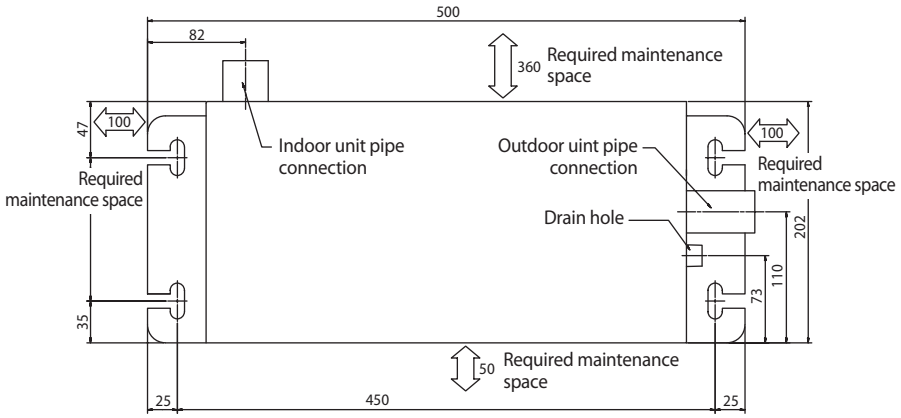


☐ 450mm X 200mm or more
(Maintenance Hole)

❊ Maintenance hole must be located on the ceiling.







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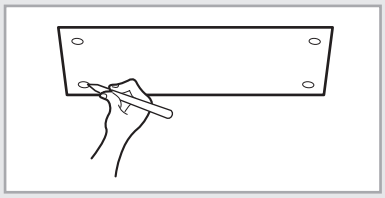
Connection of refrigerant piping & Insulation

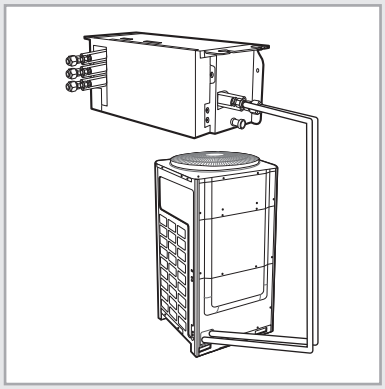
1 Insert bot anchors, use existing ceiling supports or construct a suitable support.



CAUTION

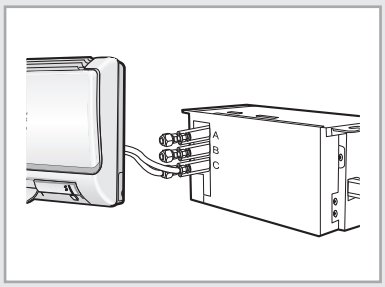
Ensure the ceiling is strong enough to support the weight of the indoor unit. Before hanging the unit, test the strength of each attached suspension bolt.

2 Connect the "IN" refrigerant pipe to the outdoor unit.



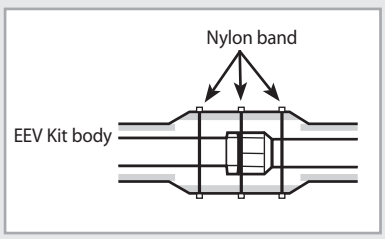
3 Connect the "OUT" refrigerant pipe to each indoor unit(A, B and C).

- The liquid and gas pipes should not be crossed when piping connection.



4 Insulate the connection piping. A joint part of pipe needs double thickness of insulation.

5 The EEV kit has to be installed that the user has no access to it. (built-in type)



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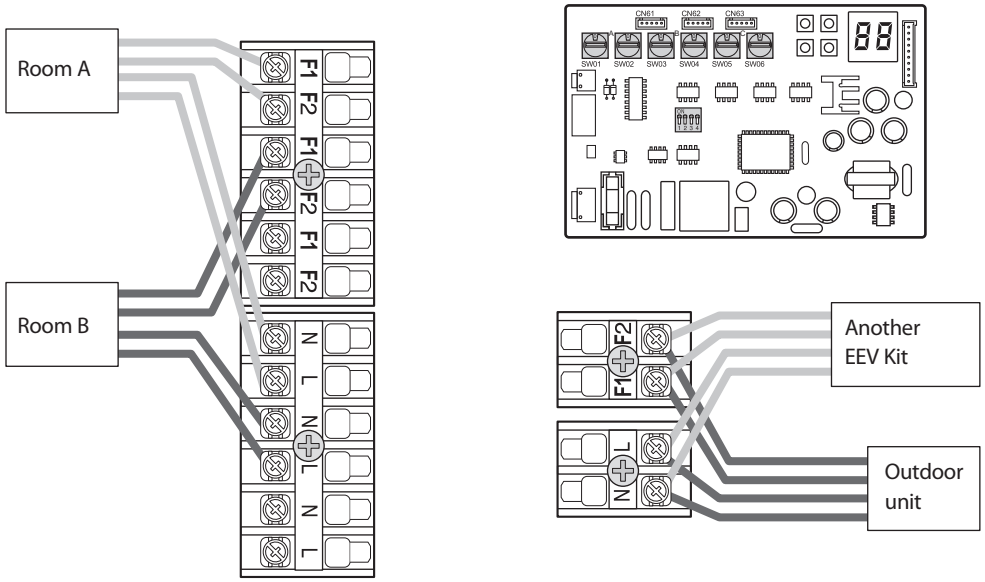
EEV Kit Installation (Continued)

Wiring & Assigning address

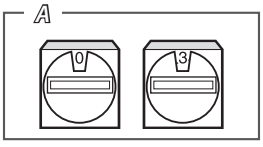


1 Connect the AC power cable and communication cable from the outdoor unit to terminal, then connect the cable to another EEV kit.

2 Connect the AC power cable and communication cable to each indoor unit (A, B and C).

3 EEV kit address should be set same with connected indoor units main address.

For Example **When Main address is set as "03" that connected in pipe "A", the EEV kit "A" address should be set as "03".**



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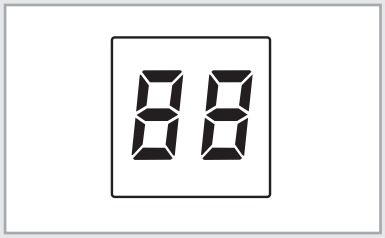
Function of Display

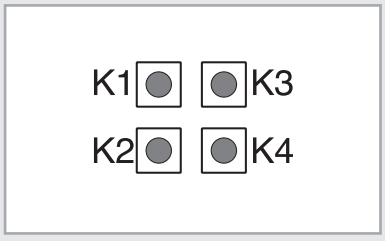
- The numbers which are displayed on left are the status of indoor unit checking status through communication with same outdoor unit.
  (If it indicates 1, 3 and 7, that means the ADDRESS of indoor unit is set to 1, 3 and 7.)
- The numbers which are displayed on right indicate the ADDRESS of SW01/SW02, SW03/SW04 and SW05/SW06 in sequential. (If it indicates 0, 1 and 2, that means the SW01/SW02 is set to 0, the SW03/SW04 is set to 1, and the SW05/SW06 is set to 2.)
- If the communication error occurs in EEV Kit, the Er□C0 message will be shown on the display alternatively.



KEY function

- If you press a KEY on the PCB, the display will show you a step of appropriate EEV Kit.

KEY No.	Meaning	Example
K1	Step of EEV Kit A	19 (19 x 10 = 190 STEP)
K2	Step of EEV Kit B	
K3	Step of EEV Kit C	
K4	-	-



Test run

- Each indoor unit runs separately to check pipe connection and address setting.

CAUTION

If all units run at the same time, pipe cross connection and address mismatching cannot be found.

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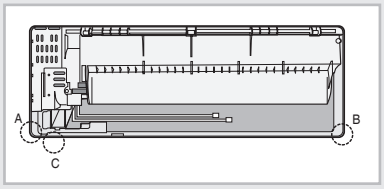
Installing and Connecting the Assembly Pipe of the Indoor Unit

Connect indoor and outdoor units with field-supplied copper pipes by means of flare connections. Use insulated seamless refrigeration grade pipe only, (Cu DHP type according to ISO1337), degreased and deoxidized, suitable for operating pressures of at least 4200 kPa and for burst pressure of at least 20700 kPa. Under no circumstances must sanitary type copper pipe be used.

There are 2 refrigerant pipes of different diameters:

- ***The smaller one is for the liquid refrigerant***
- ***The larger one is for the gas refrigerant***



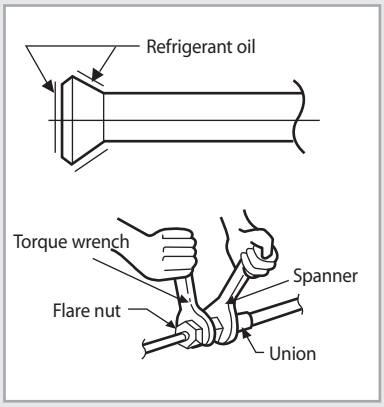
A short pipe is already fitted to the air conditioner. You may need to extend the pipe using the assembly pipe. (optional)

The connection procedure for the refrigerant pipe varies according to the exit position of the pipe when facing the wall:

- ***Right (A)***
- ***Left (B)***
- ***Underside (C)***
- ***Rear***

1 Cut out the appropriate knock-out piece on the rear of the indoor unit unless you connect the pipe directly from the rear.

2 Smooth the cut edges.



3 Remove the protection caps of the pipes and connect the assembly pipe to each pipe. Tighten the nuts first with your hands, and then with a torque wrench, applying the following torque:

Outer Diameter	Torque (kgf•cm)
6.35 mm (1/4")	145~175
9.52 mm (3/8")	333~407
12.70 mm (1/2")	505~615
15.88 mm (5/8")	630~769

➢ If you want to shorten or extend pipes, refer to page 13.

4 Cut off the remaining foam insulation.

5 If necessary, bend the pipe to fit along the bottom of the indoor unit. Then pull it out through the appropriate hole.

- ◆ The pipe should not project from the rear of the indoor unit.
- ◆ The bending radius should be 100 mm or more.

6 Pass the pipe through the hole in the wall.

7 For further details on how to connect to the outdoor unit and purge the air, refer to page 7.

➢ ***The pipe will be insulated and fixed permanently into position after finishing the installation and the gas leak test; refer to page 21 for further details.***

➢ ***DO NOT WALL UP THE PIPE CONNECTION !***

All refrigerant pipe connection must be easy accessible and serviceable.

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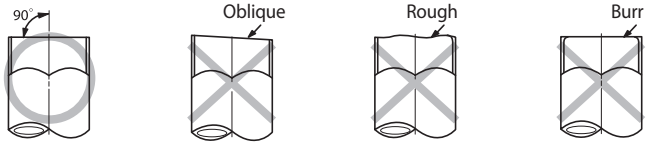
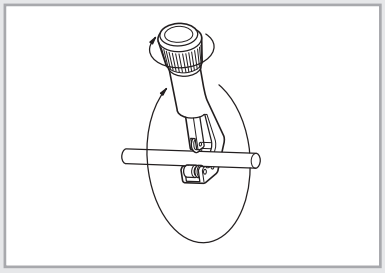
Cutting or Extending the Pipe

1 Make sure that you prepared the required tools.
(pipe cutter, reamer, flaring tool and pipe holder)

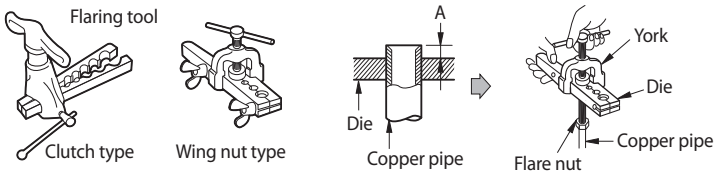
2 If you want to shorten the pipe, cut it using a pipe cutter ensuring that the cut edge remains at 90° with the side of the pipe. There are some examples of correctly and incorrectly cut edges below.

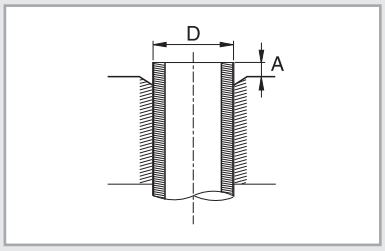




3 To prevent a gas leak, remove all burrs at the cut edge of the pipe using a reamer.

4 Carry out flaring work using flaring tool as shown below.

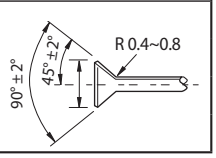


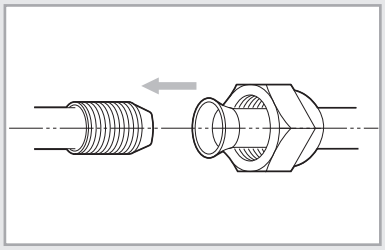


Outer diameter (mm)	A(mm)		
	Flare tool for R410A clutch type	Conventional flare tool	
		Clutch type	Wing nut type
6.35	0~0.5	1.0~1.5	1.5~2.0
9.52	0~0.5	1.0~1.5	1.5~2.0
12.70	0~0.5	1.0~1.5	1.5~2.0
15.88	0~0.5	1.0~1.5	1.5~2.0

5 Check if you flared the pipe correctly. There are some examples of incorrectly flared pipes below.

6 Align the pipes and tighten the flare nuts first manually and then with a torque wrench, applying the following torque.

Outer diameter (mm)	Connection Torque (kgf•cm)	Flare dimension (mm)	Flare shape (mm)
6.35	145~175	8.70~9.10	
9.52	333~407	12.80~13.20	
12.70	505~615	16.20~16.60	
15.88	630~769	19.30~19.70	



CAUTION

In case of needing brazing, you must work with Nitrogen gas blowing.

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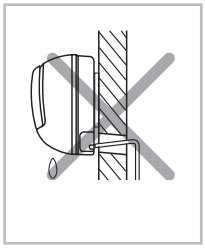
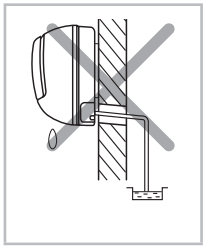
Installing and Connecting the Drain Hose of the Indoor Unit

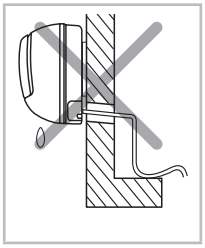
When installing the drain hose for the indoor unit, check if condensation draining is adequate.
When passing the drain hose through the 65-mm hole drilled in the wall, check the following:



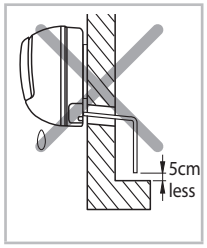
The hose must NOT slant upwards.



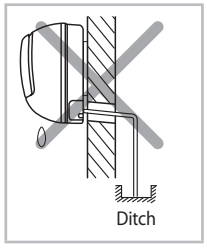
The end of the drain hose must NOT be placed under water.



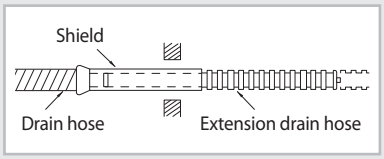
Do NOT bend the hose in different directions.



Keep a clearance of at least 5cm between the end of the hose and the ground.



Do NOT place the end of the drain hose in a hollow.



Drain hose installation:

1 If necessary, connect the 2-meter extension drain hose to the drain hose.

2 If you use the extension drain hose, insulate the inside of the extension drain hose with a shield.

3 Fit the drain hose into 1 of 2 drain hose holes, then fix the end of the drain hose tightly with a clamp.

➢ If you don't use the other drain hose hole, block it with a rubber stopper.

4 Pass the drain hose under the refrigerant pipe, keeping the drain hose tight.

5 Pass the drain hose through the hole in the wall. Check if it slants downwards as seen in the picture.

➢ ***The hose will be fixed permanently into position after finishing the installation and the gas leak test; refer to page 21 for further details.***

➢ ***DO NOT WALL UP THE DRAIN HOSE CONNECTION !***
Drain hose connection must be easy accessible and serviceable.

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Changing Direction of the Drain Hose

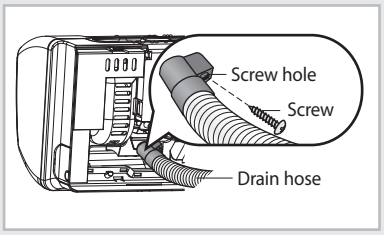
You can select the direction of the drain hose, depending on where you want to install the indoor unit.

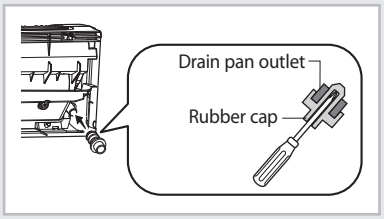
1 Detach the rubber cap with the flyer.

2 Detach the drain hose by pulling it and turning to the left.

3 Insert the drain hose by fixing it into the groove of the drain hose and the outlet of the drain pan.

4 Attach the rubber cap with a screwdriver by turning it to the right until it fixes to the end of the groove.





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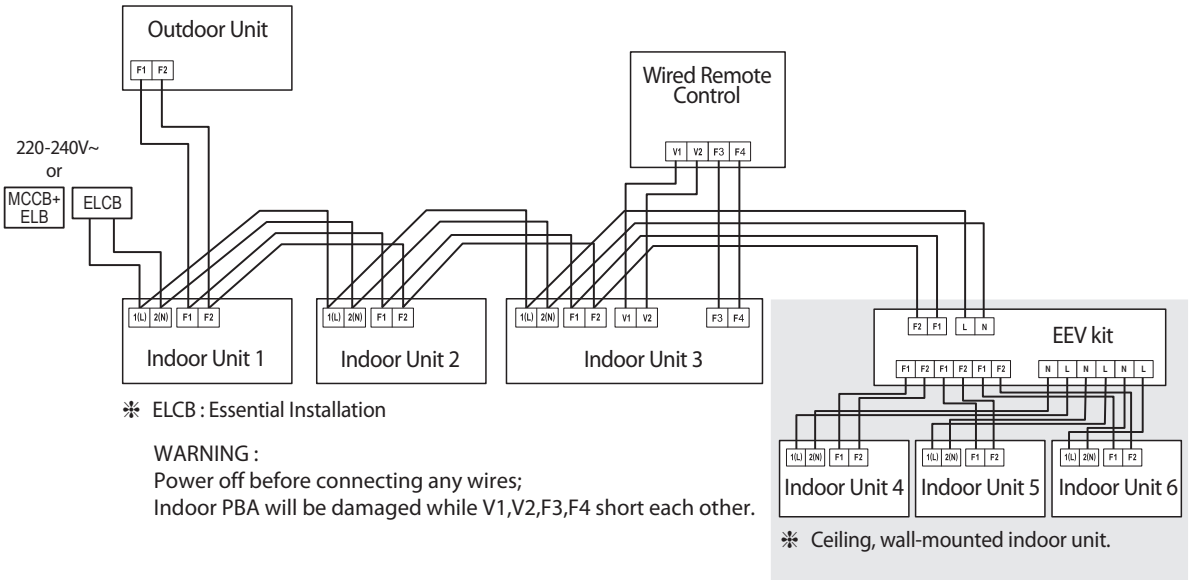
Power and communication cable connection

1. Before wiring work, you must turn off all power source.
2. Indoor unit power should be supplied through the breaker(ELCB or MCCB+ELB) separated by the outdoor power.
   ELCB: Earth Leakage Circuit Breaker
   MCCB:Molded Case Circuit Breaker
   ELB:Earth Leakage Breaker
3. The power cable should be used only copper wires.
4. Connect the power cable{1(L), 2(N)} among the units within maximum length and communication cable(F1, F2) each.
5. Connect V1, V2(for DC12V) and F3, F4(for communication) when installing the wired remote control.

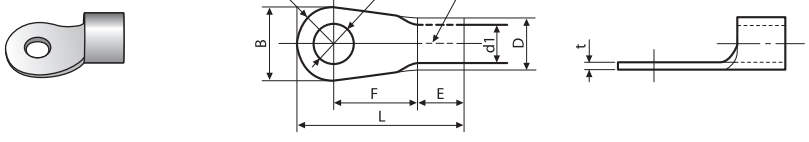


❊ ELCB : Essential Installation

WARNING :
Power off before connecting any wires;
Indoor PBA will be damaged while V1,V2,F3,F4 short each other.

❊ Ceiling, wall-mounted indoor unit.

Selecting compressed ring terminal



Norminal dimensions for cable (mm^2)	Norminal dimensions for screw (mm)	B		D		d1		E	F	L	d2		t
		Standard dimension (mm)	Allowance (mm)	Standard dimension (mm)	Allowance (mm)	Standard dimension (mm)	Allowance (mm)	Min.	Min.	Max.	Standard dimension (mm)	Allowance (mm)	Min.
1.5	4	6.6	±0.2	3.4	+0.3 -0.2	1.7	±0.2	4.1	6	16	4.3	+0.2 0	0.7
	4	8											
2.5	4	6.6	±0.2	4.2	+0.3 -0.2	2.3	±0.2	6	6	17.5	4.3	+0.2 0	0.8
	4	8.5											
4	4	9.5	±0.2	5.6	+0.3 -0.2	3.4	±0.2	6	5	20	4.3	+0.2 0	0.9

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Specification of electronic wire

Power supply	MCCB	ELB or ELCB	Power cable	Earth cable	Communication cable
Max : 242V Min : 198V	X A	X A, 30mmA 0.1 sec	2.5mm^2	2.5mm^2	0.75~1.5mm^2

◆ Decide the capacity of ELCB(or MCCB+ELB) by below formula.

The capacity of ELCB(or MCCB+ELB) X [A] = 1.25 X 1.1 X ΣAi

✳ X : The capacity of ELCB(or MCCB+ELB).

✳ ΣAi : Sum of Rating currents of each indoor unit.

✳ Refer to each installation manual about the rating current of indoor unit.

◆ Decide the power cable specification and maximum length within 10% power drop among indoor units.

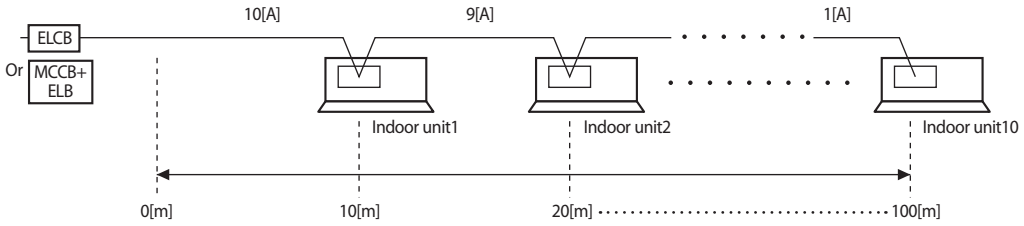
$$\sum_{k=1}^{n}\left(\frac{Coef\times 35.6\times L_k\times i_k}{1000\times A_k}\right) < \text{10\% of input voltage[V]}$$

✳ coef: 1.55

✳ L_k: Distance among each indoor unit[m], A_k: Power cable specification[mm^2]
i_k: Running current of each unit[A]

Example of Installation

- Total power cable length L = 100(m), Running current of each units 1[A]
- Total 10 indoor units were installed

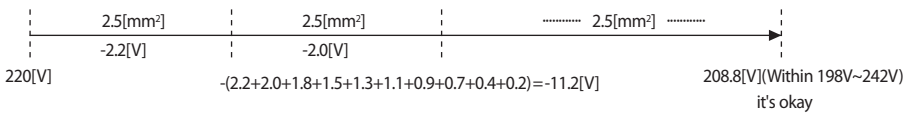


◆ Apply following equation.

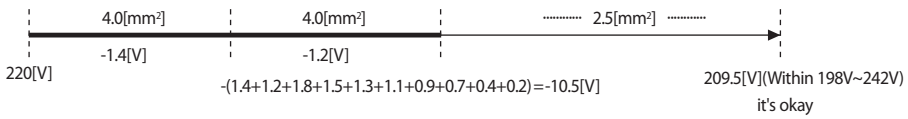
$$\sum_{k=1}^{n}\left(\frac{Coef\times 35.6\times L_k\times i_k}{1000\times A_k}\right) < \text{10\% of input voltage[V]}$$

❊ Calculation

● Installing with 1 sort wire.



● Installing with 2 different sort wire.



❊ Rating current

Unit	Model	Rating current
AVXWN✳✳	✳✳022✳✳	0.16A
	✳✳028✳✳	0.16A
	✳✳036✳✳	0.18A
	✳✳056✳✳	0.27A
	✳✳071✳✳	0.30A
NH✳NH✳	✳✳022✳✳	0.16A
	✳✳028✳✳	0.16A
	✳✳036✳✳	0.18A
	✳✳056✳✳	0.27A
	✳✳071✳✳	0.30A

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Wiring Work (Continued)

CAUTION

- ***Select the power cable in accordance with relevant local and national regulations.***
- ***Wire size must comply with local and national code.***
- ***For the power cable, use the grade of H07RN-F or H05RN-F materials.***
- ***You should connect the power cable into the power cable terminal and fasten it with a clamp.***
- ***The unbalanced power must be maintained within 10% of supply rating among whole indoor units.***
- ***If the power is unbalanced greatly, it may shorten the life of the condenser. If the unbalanced power is exceeded over 10% of supply rating, the indoor unit is protected, stopped and the error mode indicates.***
- ***To protect the product from water and possible shock, you should keep the power cable and the connection cord of the indoor and outdoor units in the iron pipe.***
- ***Connect the power cable to the auxiliary circuit breaker.***
  An all pole disconnection from the power supply must be incorporated in the fixed wiring(≥3mm).
- ***You must keep the cable in a protection tube.***
- ***Keep distances of 50mm or more between power cable and communication cable.***
- ***Maximum length of power cables are decided within 10% of power drop. If it exceeds, you must consider another power supplying method.***
- ***The circuit breaker(ELCB or MCCB+ELB) should be considered more capacity if many indoor units are connected from one breaker.***
- ***Use round pressure terminal for connections to the power terminal block.***
- ***For wiring, use the designated power cable and connect it firmly, then secure to prevent outside pressure being exerted on the terminal board.***
- ***Use an appropriate screwdriver for tightening the terminal screws. A screwdriver with a small head will strip the head and make proper tightening impossible.***
- ***Over-tightening the terminal screws may break them.***
- ***See the table below for tightening torque for the terminal screws.***

Tightening torque(kgf·cm)	
M 4	12.0~14.7

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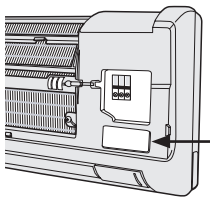
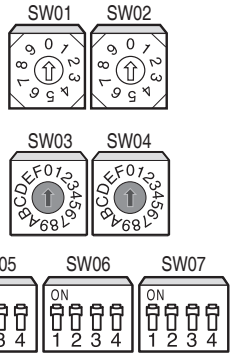
Assigning Address to Indoor Unit



1 Before installing the indoor unit, assign an address to the indoor unit according to the air conditioning system plan.

2 The address of the indoor unit is assigned by adjusting MAIN(SW01, SW02) and RMC(SW03, SW04) rotary switches.



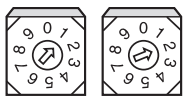
❊ The designs and shape are subject to change according to the model.

Setting Main Address

- The MAIN address is for communication between the indoor unit and the outdoor unit. Therefore, you must set it to operate the air conditioner properly.
- You can set the MAIN address from '00' to '99' by mixing SW01 and SW02. The MAIN address from '00' to '99' should differ from each other.
- Check the indoor unit address on the plan that you are to install and set the address according to the plan.

Note You may not need to set main address if you selected Auto Address Setting from the outdoor unit: see details on the outdoor unit installation manual.

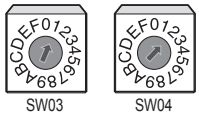
For Example **When MAIN address is set as "12".**



Setting RMC Address

- The SW03, SW04 RMC switch is the address setting switch for controlling the indoor unit with the centralized controller.
- You must set the SW03, SW04 and K2 switch when using the centralized controller.

For Example **When RMC address is set as "12".**



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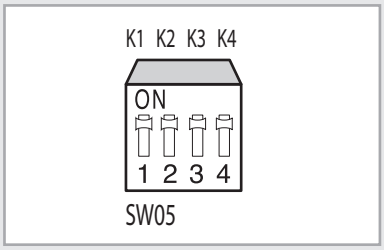
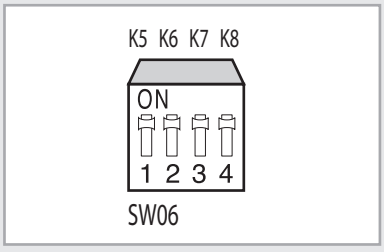
Additional Functions

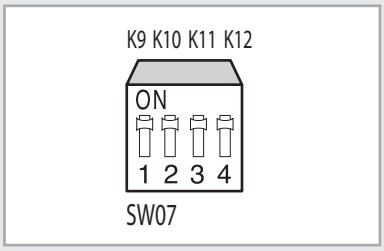


No.		Function	ON	OFF
SW05	K1	External room sensor	Not use	Use
	K2	Centralized controller	Not use	Use
	K3	-	-	-
	K4	-	-	-

✳ K1 OFF
Heating mode : Setting temperature compensation value = 0°C
Thermo OFF → Fan OFF



No.		Function	ON	OFF
SW06	K5	Heating Current Temperature Compensation	+2°C	+5°C
	K6	Filter Time	1,000 hours	2,000 hours
	K7	-	-	-
	K8	-	-	-



No.		Function	ON	OFF
SW07	K9	Indoor Expansion Valve For Heating Stop	Fix 80 step	0 or 80 step
	K10	Wired Remocon Group Master	Not use	Use
	K11	External control	Not use	Use
	K12	External Control Output	Thermal ON	Operation ON

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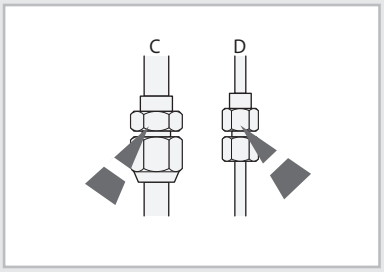
Performing Leak Test & Insulation

Leak test

LEAK TEST WITH NITROGEN (before opening valves)
In order to detect basic refrigerant leaks, before recreating the vacuum and recirculating the R410A, it's responsible of installer to pressurize the whole system with nitrogen (using a pressure regulator) at a pressure above 4.1MPa (gauge).

LEAK TEST WITH R410A (after opening valves)
Before opening valves, discharge all the nitrogen into the system and create vacuum. After opening valves check leaks using a leak detector for refrigerant R410A.



CAUTION

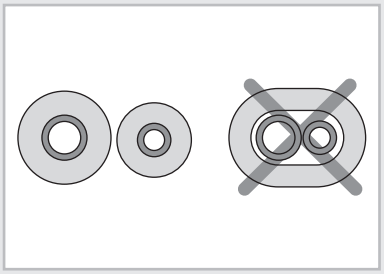
Discharge all the nitrogen to create a vacuum and charge the system.

Insulation

After checking for gas leaks in the system, insulate the pipe, hose and cables. Then place the indoor unit on the installation plate.

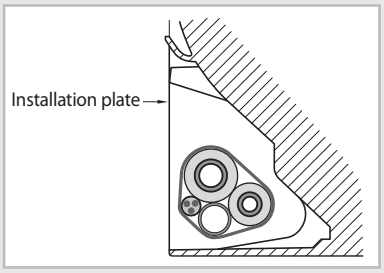
1 To avoid condensation problems, place heat-resistant polyethylene foam separately around each refrigerant pipe in the lower part of the indoor unit.

2 Wrap the refrigerant pipe and the drain hose in the rear of the indoor unit with the absorbent pad.
- ➢ Wind the pipe and hose three times to the end of the indoor unit with the absorbent pad. (20 mm interval)



3 Wind the pipe, assembly cable and drain hose with insulation tape.

4 Place the bundle (the pipe, assembly cable and drain hose) in the lower part of the indoor unit carefully so it doesn't project from the rear of the indoor unit.



5 Hook the indoor unit to the installation plate and move the unit to the right and left until it is securely in place.

6 Wrap the rest of the pipe with vinyl tape.

7 Attach the pipe to the wall using clamps (optional).

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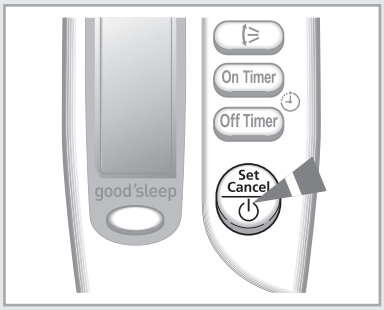
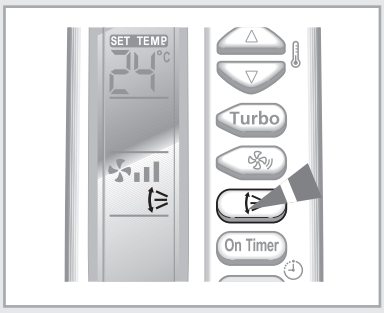
Final Check and Trial Operation





To complete the installation, perform the following checks and tests to ensure that the air conditioner operates correctly.

1 Check the following:

- Strength of the installation site
- Tightness of pipe connection to detect gas leak
- Electric wiring connection
- Heat-resistant insulation of the pipe
- Drainage
- Grounding conductor connection
- Correct operation (follow the steps below)

2 Press the Set Cancel button and check the following:

- The indicator on the indoor unit lights up.
- The airflow blade opens and the fan gears up for operation.

3 Press any button and check the following:

- The appropriate indicator lights up and the air conditioner operates according to the selected mode or function.

4 Press the button and check the following:

- The airflow blades work properly.

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Providing Information for User

After finishing the installation of the air conditioner, explain the following to the user: (refer to appropriate pages in the User's Manual.)

1	How to start and stop the air conditioner
2	How to select the modes and functions
3	How to adjust the temperature and fan speed
4	How to adjust the airflow direction
5	How to set the timers
6	How to clean and replace the filters

➢ ***When you complete the installation successfully, hand over the User's Manual and this Installation Manual to the user for storage in a handy and safe place.***

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